Title (en)

JPEG IMAGE TO COMPRESSED GPU TEXTURE TRANSCODER

Title (de)

TRANSCODIERER FÜR JPEG-BILD ZU KOMPRIMIERTER GPU-TEXTUR

Title (fr)

TRANSCODEUR D'IMAGE JPEG EN TEXTURE GPU COMPRESSÉE

Publication

EP 3400707 A4 20181114 (EN)

Application

EP 16883428 A 20161224

Priority

- US 201614990963 A 20160108
- CN 2016111923 W 20161224

Abstract (en)

[origin: WO2017118303A1] A received JPEG image compression format image includes one or more minimum coded units (MCUs). Each MCU is decoded using an image compression format decoder. Each decoded MCU is then split into multiple decoded subblocks. Each decoded subblock can then be encoded into texture compression format using a texture compression format encoder. Each encoded texture compression format subblock can then be passed to a graphical processing unit (GPU) for processing.

IPC 8 full level

H04N 19/40 (2014.01); **H04N 19/426** (2014.01); **H04N 21/43** (2011.01)

CPC (source: EP US)

H04N 19/136 (2014.11 - US); **H04N 19/176** (2014.11 - US); **H04N 19/40** (2014.11 - EP US); **H04N 19/426** (2014.11 - EP US); **H04N 19/44** (2014.11 - US); **H04N 19/70** (2014.11 - US)

Citation (search report)

- [I] US 2010265347 A1 20101021 - AGVARD ANDREAS THOR [SE]
- [I] VAN WAVEREN: "Real-Time Texture Streaming & Decompression", 11 November 2006 (2006-11-11), XP055511551, Retrieved from the Internet <URL:http://mrelusive.com/publications/papers/Real-Time-Texture-Streaming-&-Decompression.pdf> [retrieved on 20181002]
- [I] JACOB STROM ET AL: "Lossless compression of already compressed textures", HIGH PERFORMANCE GRAPHICS, ACM, 2 PENN PLAZA, SUITE 701 NEW YORK NY 10121-0701 USA, 5 August 2011 (2011-08-05), pages 177 - 182, XP058006595, ISBN: 978-1-4503-0896-0, DOI: 10.1145/2018323.2018351
- See references of WO 2017118303A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017118303 A1 20170713; CN 108432257 A 20180821; CN 108432257 B 20200414; EP 3400707 A1 20181114; EP 3400707 A4 20181114; EP 3400707 B1 20201028; US 10148972 B2 20181204; US 2017201758 A1 20170713

DOCDB simple family (application)

CN 2016111923 W 20161224; CN 201680074740 A 20161224; EP 16883428 A 20161224; US 201614990963 A 20160108